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				um-Dependent Epitor			ninal Re	gion	
PAY	of the GLA Don	nain of Hum	nan Factor	IX", Thrombosis Res	earch, Vo	l. 81 No. 1,	pp: 65	-73	
	(January 1, 1996								
				terization of a Monoc			.amada	,	
				d, Vol. 40, No.1, pp: 1					
				to Factor-IX, that Inh			tivation		
	Journal of Biolo	gical Chem	istry, Vol.	260, No. 21, pp:1157	4-11580,	(1985).			
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	1				Author, Title, Date, Pertin						
	AA	Bajaj et al., "A Monoclonal Antibody to Factor IX That Inhibits the Factor VIII:Ca Potentiation of Factor X Activation", J. Biol. Chem., Vol. 260, No. 21, pp. 11574-11580									
940	Ì		actor X Ac	I. Biol. Chem., Vol. 20	50, No. 2	1, pp. 11574	1-11580	l .			
		(1985)									
	AB	Bajaj et al., "Antibody-Probed Conformational Transitions in the Protease Domain of									
PAD		Human Factor IX Upon Calcium Binding and Zymogen Activation: Putative High-Affinity									
		Ca ²⁺ -Binding Site in the Protease Domain", <i>Proc. Natl. Acad. Sci, USA</i> , Vol. 89, pp. 152-156 (1992)									
	AC			of a Calci	um-Dependent Enitor	ne to the	Amino Tern	ninal			
00.	AC	Cheung et al., "Localization of a Calcium-Dependent Epitope to the Amino Terminal Region of the GLA Domain of Human Factor IX", <i>Thrombosis Research</i> , Vol. 81, No. 1,									
CAG		pp. 65-73 (1996)									
	AD		n Inhibitor	v Monoclo	onal Antibody to Facto	r X that	Blocks Protl	nombin			
RAO		Church et al., "An Inhibitory Monoclonal Antibody to Factor X that Blocks Prothombin Activation but not Prothrombinase Enzyme Assembly", <i>Blood</i> , Vol. 72, No. 6 (December)									
100	l	pp. 1911-1921 (1988)									
0	AE	Donath et al., "Kinetics of Factor VIII Light-Chain Cleavage by Thrombin and Factor Xa",									
PAD		Eur. J. Biochem.									
	AF	Frazier et al., "M	apping of l	Monoclona	al Antibodies to Huma	ın Factor	IX", Blood,	Vol. 74	١,		
PAO		No. 3, pp. 971-9'									
	AG	Fulcher et al., "Localization of Human Factor FVIII Inhibitor Epitopes to Two Polypeptide									
pAn		Fragments", Pro	c. Natl. Acc	id. Sci. US	A, Vol. 82, p. 7728-7	732 (198	5)				
	AH	Healey et al., "Re	esidues 484	l-508 Cont	ain a Major Determin	ant of the	e Inhibitory	Epitope	in		
PAO			of Human F	Tactor VIII	", J. Biol. Chem, Vol.	270, No.	24, pp. 145	05-1450	J 9		
'		(1995)									
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			ENTS (Melading Father, Title, Bate, Tertifier ages, 210.)
PAD	, /	ΑI	Hoffman et al., "Factors IXa and Xa Play Distinct Roles in Tissue Factor-Dependent Initiation of Coagulation", <i>Blood</i> , Vol. 86, No. 5, pp. 1794-1801 (1995)
`		A T	L. Hoyer and D. Scandella, "Factor VIII Inhibitors: Structure and Function in Autoantibody
1	- 1	AJ	L. Hoyer and D. Scandena, Pactor vin influences. Structure and I director in Automatoody
	1		and Hemophilia A Patients", Seminars in Hematology, Vol. 31, No. 2, Suppl. 4, pp. 1-5
			(1994)
	, J.	AK	Jenny et al., "Immunochemical Techniques for Studying Coagulation Proteins", Methods in
	· 1		Enzymology, Vol. 222, pp. 400-416 (1993)
		AL	Larson et al., "Structural Integrity of the γ-Carboxyglutamic Acid Domain of Human Blood
			Coagulation Factor IXa is Required for Its Binding to Cofactor VIIIa", J. Biol. Chem., Vol.
			271, No. 7, pp. 3869-3876 (1996)
		AM	
		VIIAI	J. Biochem., Vol. 263, pp. 187-194 (1989)
	\vdash	A N.T	
		AN	Lollar et al., "Inhibition of Human Factor Villa by Anti-A2 Subunit Antibodies",
	1-1		J. Clin. Invest., Vol. 93, pp. 2497-2504 (1994)
	1	AO	J. Loscalzo and A. Schafer, "Factor VIII and Other Coagulation Factor Inhibitors",
			Thrombosis and Hemorrhage, Chapter 37, pp. 729-747 (1994)
		AP	Lubin et al., "Elimination of a Major Inhibitor Epitope in Factor VIII", J. Biol. Chem.,
			Vol. 269, No. 12, pp. 8639-8641 (1994)
	\top	AQ	Ouelette et al., "Neutralization of Factor X Activity by Factor X-Specific Monoclonal
	1.		Antibodies", Blood Coagulation and Fibrinolysis, Vol. 3, pp. 563-574 (1992)
	1	AR	Saenko et al., "Slowed Release of Thrombin-Cleaved Factor VIII from von Willebrand Factor
	1 1	7 111	by a Monoclonal and a Human Antibody Is a Novel Mechanism for Factor VIII Inhibition",
			J. Biol. Chem., Vol. 271, No. 44, pp. 27424-27431 (1996)
	\vdash	A C	D. Scandella, "Human Antibodies Which Inactivate Factor VIII: Their Epitope Specificity
		AS	and Biochemical and Functional Characteristics", International Journal of Pediatric
	1 1		
			Hematology/Oncology, Vol. 1, pp. 437-447 (1994)
	\	AT	D. Scandella, "Human Anti-Factor VIII Antibodies: Epitope Localization and Inhibitory
	$\perp \perp$		Function", Vox Sanguinis, Vol. 70 (suppl 1), pp. 9-14 (1996)
		AU	Sinha et al., "Functional Characterization of Human Blood Coagulation Factor XIa Using
			Hybridoma Antibodies", J. of Biol. Chem., Vol. 260, No. 19, pp. 10714-10719 (1985)
		AV	Söhngen et al., "Acquired Factor VIII Inhibitors in Nonhemophilic Patients", Ann Hematol,
			Vol. 74, pp. 89-93 (1997)
	1 1	AW	
		••	Haemostasis, Vol. 75(3), pp. 450-455 (1996)
	+ +	AX	Tiarks et al., "Factor VIII Epitopes Recognized with Inhibitory Monoclonal Antibodies",
		$\Lambda\Lambda$	Acta Haematol, Vol. 83, pp. 69-75 (1990)
	1/1	A 37	Abstracts, "Thrombosis and Haemostasis", J. International Society on Thrombosis and
\	4	AY	
	1	-	Haemostasis, Vol. 69(6), p. 1239, Abstract 2485 (1993)

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office		ATTY. DOCKET NO. SERIAL NO. Not yet assigned									
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						Author, Title, Date, Pert					
PA	,	BB	Bessos et al., "The Characterization of a Panel of Monoclonal Antibodies to Human								
,,,,		BC	Coagulation Factor IX", <i>Thrombosis Research</i> , Vol. 40, pp. 863-867 (1985) Biemond et al., "Complete Inhibition of Endotoxin-Induced Coagulation Activation in								
		ьс				Fragment against Fa				ıd	
			Haemostasis, Vo					, .			
	7	BD	F. Desposito and	Y. Arkel, '	Inhibitors	of Coagulation in C	hildren",	Critical Revi	ews in		
			Oncology/Hema	tology, Vol.	7, No. 1,	pp. 53-69 (1987)					
}	ı	BE				aracterisation of a Pa					
					agulant Fa	ctor VIII", Thrombo	sis and He	aemostasis,	V 01. 33	(1),	
		BF	pp. 40-46 (1986)	Vitro Antik	odies: St	rategies for Producti	on and An	nlication"			
		DГ					on and rip	prication,			
	7	BG	Annu. Rev. Immunol. Vol. 10, pp. 239-65 (1992) Warrier et al., "Safety of High Doses of a Monoclonal Antibody-Purified Factor IX								
Concentrate", American Journal of He											
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PA.	D	CA	Lenting et al., "A	Novel Ant	tithromboti	ic Strategy Based on	inhibitors . Tuna Su	of Factor V	Ш- . 680 (1	1007)		
	_	СВ	factor IX Comple	ha Saguana	y , Inrom	bosis and Hemostasis -Lys ¹⁸¹⁸ of Human	Rlood Co	ppicificit, p	ector	1771)		
1		СВ				vated Factor IX", The						
1			Chemistry, Vol. 2				00000	oj 21010810.	•			
		CC	Lenting et al., "Ic	lentification	n of a Bind	ing Site for Blood Co	oagulatio	n Factor IXa	on the			
			Light Chain of H	uman Facto	or VIII'', <i>Ti</i>	he Jo <mark>urnal</mark> of Biologi	cal Chem	istry, Vol. 2	69,			
			No. 10, pp. 7150									
		CD	L. Stryer, Bioche	mistry, W.l	H. Freeman	and Company, San	Franciso,	1981, pp. 5	12-513			
		CE				urine Monoclonal An	ti-idiotyp	ic Fab", Jou	rnal of			
		<u> </u>	Immunological N	1ethods, Vo	ol. 155, pp.	. 77-89 (1992)	: 6: . t	for Dobbit I		<u> </u>		
		CF	Fang et al., "Hun	nan Rheum	atoid Facto	ors with Restrictive S y, Diverse …V⇒∭b	pecificity	Med Vol	11111ullo 170	-		
			pp. 1445-1456 (1		u-reactivity	y, Diverse v⇒mo	, J. Exp.	<i>Mea.</i> , v 01.	177,			
\vdash		CG	Silberstein et al	"Relations	hip of Var	iable Region Genes E	xpressed	by a Human	B Cel	1		
		CG	Autoantibodie	s", <i>J. Exp. I</i>	Med., Vol.	169, pp. 1631-1643,	(1989)					
		CH	Pascual, et al., "7	The Comple	ete Nucleo	tide Sequences of the	Heavy C		s			
						, Vol. 86, pp. 1320-13						
		CI				olerance in a Mouse N		Systemic Lu	ipus			
<u> </u>		CJ	Erytnematosus",	J. Exp. Me	a., vol. 18	1, pp. 1157-1167 (19 at Are Specific for a S	ingle An	nino Acid In	terchan	ge		
	/		in a Protein Enite	one Use Str	ucturally I	Distinct Variable Reg.	ions". J. I	Exp. Med., V	ol. 174	٠ <u>٥</u> ٠ ١,		
			pp. 613-624 (199	-	accuracy -		,					
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QA9	BD	-			of Coagulation in Ch	ildren", (Critical Revi	ews in			
AFAI	 	Oncology/Hematology, Vol. 7, No. 1, pp. 53-69 (1987) Griffin et al., "The Production and Characterisation of a Panel of Ten Murine Monoclonal									
1	BE	1					of Ten Murine Monoclonal and Haemostasis, Vol. 55 (1),				
		pp. 40-46 (1986)	man Proco	aguiant Fa	ctor VIII", Inrombos	is ana H	iemostasis, v	voi. 55	(1),		
	BF		Vitro Antih	odies: Str	ategies for Production	n and An	plication".				
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					matology, Vol. 49, pp						
	CA				c Strategy Based on						
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	CB				-Lys ¹⁸¹⁸ of Human						
Ψ	VIII Comprises a Binding Site for Action Chemistry, Vol. 271, No. 4, pp. 1935-1				•	e Journai	oj biologici	u			
	 	Chemistry, Vol. 2	771, 110. 4,	рр. 1995-1	1,740 (1,750)		· -				
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